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*ABSTRACT
DUST PROOF*

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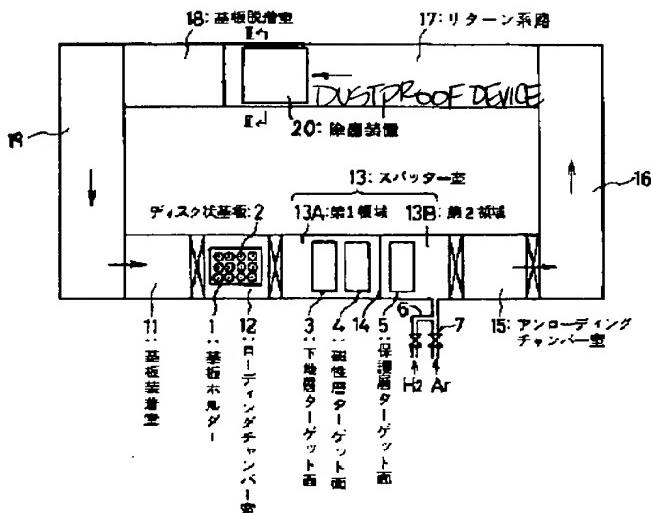
APPLICATION DATE : 22-08-94
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APPLICANT : MITSUBISHI CHEM CORP;

INVENTOR : SAKON SUKEYUKI;

INT.CL. : G11B 5/85 C23C 14/56 G11B 5/84

TITLE : PRODUCTION OF MAGNETIC
 RECORDING MEDIUM



ABSTRACT : PURPOSE: To lessen the generation of errors by the fine powder of the hydrogenated carbon sticking to trays in the state of continuing the operation of a film forming device by subjecting incoming trays after film formation in the film forming device to a dustproof treatment.

CONSTITUTION: A substrate holder 1 is transferred by a transporting device into a substrate device chamber 11 and the prescribed number of sheets of disk-shaped substrates 2 are mounted at the trays of this substrate holder 1. Next, this substrate holder 1 is transported into a loading chamber 12 in the film forming device, is subjected to film formation by a sputtering chamber 13 and an unloading chamber 15 and is transported through a conveyor 16, a return route 17 and a dustproof device 20 in this return route 17 into a substrate attaching and detaching chamber 18, where the substrates 2 are removed from the trays of the substrate holder 1. As a result, the fine granular dust, such as fine powder of the hydrogenated carbon, which is the cause for the errors in the film forming parts sticking to the trays is efficiently removed by the dustproof device 20 in the state of continuing the operation. The productivity of the high-quality magnetic recording media is thus improved.

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